Jason K Kim

List of Publications by Citations

175	21,506	76	146
papers	citations	h-index	g-index
186	23,758	9.8	6.21
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
175	Endocrine regulation of energy metabolism by the skeleton. *Cell*, **2007**, 130, 456-69	56.2	1794
174	Insulin resistance and a diabetes mellitus-like syndrome in mice lacking the protein kinase Akt2 (PKB beta). *Science*, **2001**, 292, 1728-31	33.3	1513
173	Mechanism by which fatty acids inhibit insulin activation of insulin receptor substrate-1 (IRS-1)-associated phosphatidylinositol 3-kinase activity in muscle. *Journal of Biological Chemistry*, **2002**, 277, 50230-6	5.4	1114
172	Increased energy expenditure, decreased adiposity, and tissue-specific insulin sensitivity in protein-tyrosine phosphatase 1B-deficient mice. *Molecular and Cellular Biology*, **2000**, 20, 5479-89	4.8	1073
171	Adipose-selective targeting of the GLUT4 gene impairs insulin action in muscle and liver. *Nature*, **2001**, 409, 729-33	50.4	923
170	Fibroblast growth factor 21 reverses hepatic steatosis, increases energy expenditure, and improves insulin sensitivity in diet-induced obese mice. *Diabetes*, **2009**, 58, 250-9	0.9	826
169	Prevention of fat-induced insulin resistance by salicylate. *Journal of Clinical Investigation*, **2001**, 108, 437-46	15.9	519
168	Surgical implantation of adipose tissue reverses diabetes in lipoatrophic mice. *Journal of Clinical Investigation*, **2000**, 105, 271-8	15.9	473
167	JNK expression by macrophages promotes obesity-induced insulin resistance and inflammation. *Science*, **2013**, 339, 218-22	33.3	455
166	A stress signaling pathway in adipose tissue regulates hepatic insulin resistance. *Science*, **2008**, 322, 1539-43	33.3	450
165	Insulin/IGF-1 and TNF-alpha stimulate phosphorylation of IRS-1 at inhibitory Ser307 via distinct pathways. *Journal of Clinical Investigation*, **2001**, 107, 181-9	15.9	439
164	Differential effects of interleukin-6 and -10 on skeletal muscle and liver insulin action in vivo. *Diabetes*, **2004**, 53, 1060-7	0.9	407
163	PKC-□knockout mice are protected from fat-induced insulin resistance. *Journal of Clinical Investigation*, **2004**, 114, 823-827	15.9	351
162	Mechanism of insulin resistance in A-ZIP/F-1 fatless mice. *Journal of Biological Chemistry*, **2000**, 275, 8456-60	5.4	327
161	Functional inactivation of the IGF-I and insulin receptors in skeletal muscle causes type 2 diabetes. *Genes and Development*, **2001**, 15, 1926-34	12.6	271
160	Interleukin-10 prevents diet-induced insulin resistance by attenuating macrophage and cytokine response in skeletal muscle. *Diabetes*, **2009**, 58, 2525-35	0.9	268
159	Redistribution of substrates to adipose tissue promotes obesity in mice with selective insulin resistance in muscle. *Journal of Clinical Investigation*, **2000**, 105, 1791-7	15.9	243

158	Unraveling the temporal pattern of diet-induced insulin resistance in individual organs and cardiac dysfunction in C57BL/6 mice. *Diabetes*, **2005**, 54, 3530-40	0.9	232
157	Comparing adiposity profiles in three mouse models with altered GH signaling. *Growth Hormone and IGF Research*, **2004**, 14, 309-18	2	225
156	The sympathetic tone mediates leptinS inhibition of insulin secretion by modulating osteocalcin bioactivity. *Journal of Cell Biology*, **2008**, 183, 1235-42	7.3	207
155	Liver-specific deletion of protein-tyrosine phosphatase 1B (PTP1B) improves metabolic syndrome and attenuates diet-induced endoplasmic reticulum stress. *Diabetes*, **2009**, 58, 590-9	0.9	206
154	Fat cell-specific ablation of rictor in mice impairs insulin-regulated fat cell and whole-body glucose and lipid metabolism. *Diabetes*, **2010**, 59, 1397-406	0.9	197
153	Human Sbrite/beigeSadipocytes develop from capillary networks, and their implantation improves metabolic homeostasis in mice. *Nature Medicine*, **2016**, 22, 312-8	50.5	193
152	Inactivation of fatty acid transport protein 1 prevents fat-induced insulin resistance in skeletal muscle. *Journal of Clinical Investigation*, **2004**, 113, 756-763	15.9	182
151	PKC-theta knockout mice are protected from fat-induced insulin resistance. *Journal of Clinical Investigation*, **2004**, 114, 823-7	15.9	181
150	Regulation of gluconeogenesis by Krppel-like factor 15. *Cell Metabolism*, **2007**, 5, 305-12	24.6	180
149	Mice lacking MAP kinase phosphatase-1 have enhanced MAP kinase activity and resistance to diet-induced obesity. *Cell Metabolism*, **2006**, 4, 61-73	24.6	178
148	Genetic modulation of PPARgamma phosphorylation regulates insulin sensitivity. *Developmental Cell*, **2003**, 5, 657-63	10.2	176
147	FoxO1 expression in osteoblasts regulates glucose homeostasis through regulation of osteocalcin in mice. *Journal of Clinical Investigation*, **2010**, 120, 357-68	15.9	171
146	The transcription factor ATF4 regulates glucose metabolism in mice through its expression in osteoblasts. *Journal of Clinical Investigation*, **2009**, 119, 2807-17	15.9	170
145	Txnip balances metabolic and growth signaling via PTEN disulfide reduction. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 3921-6	11.5	169
144	Long-term, efficient inhibition of microRNA function in mice using rAAV vectors. *Nature Methods*, **2012**, 9, 403-9	21.6	159
143	Overexpression of uncoupling protein 3 in skeletal muscle protects against fat-induced insulin resistance. *Journal of Clinical Investigation*, **2007**, 117, 1995-2003	15.9	143
142	Glucose toxicity and the development of diabetes in mice with muscle-specific inactivation of GLUT4. *Journal of Clinical Investigation*, **2001**, 108, 153-60	15.9	141
141	Gut-derived serotonin is a multifunctional determinant to fasting adaptation. *Cell Metabolism*, **2012** , 16, 588-600	24.6	134

140	Grp78 heterozygosity promotes adaptive unfolded protein response and attenuates diet-induced obesity and insulin resistance. *Diabetes*, **2010**, 59, 6-16	0.9	134
139	Improved glucose homeostasis in mice with muscle-specific deletion of protein-tyrosine phosphatase 1B. *Molecular and Cellular Biology*, **2007**, 27, 7727-34	4.8	133
138	Role of Rho-kinase in regulation of insulin action and glucose homeostasis. *Cell Metabolism*, **2005**, 2, 119-29	24.6	129
137	Altered miRNA processing disrupts brown/white adipocyte determination and associates with lipodystrophy. *Journal of Clinical Investigation*, **2014**, 124, 3339-51	15.9	128
136	Transgenic overexpression of protein-tyrosine phosphatase 1B in muscle causes insulin resistance, but overexpression with leukocyte antigen-related phosphatase does not additively impair insulin action. *Journal of Biological Chemistry*, **2004**, 279, 24844-51	5.4	128
135	Nutrient stress activates inflammation and reduces glucose metabolism by suppressing AMP-activated protein kinase in the heart. *Diabetes*, **2009**, 58, 2536-46	0.9	126
134	Uncoupling of inflammation and insulin resistance by NF-kappaB in transgenic mice through elevated energy expenditure. *Journal of Biological Chemistry*, **2010**, 285, 4637-44	5.4	125
133	RAGE regulates the metabolic and inflammatory response to high-fat feeding in mice. *Diabetes*, **2014**, 63, 1948-65	0.9	124
132	Role of muscle c-Jun NH2-terminal kinase 1 in obesity-induced insulin resistance. *Molecular and Cellular Biology*, **2010**, 30, 106-15	4.8	122
131	Comparison between surrogate indexes of insulin sensitivity and resistance and hyperinsulinemic euglycemic clamp estimates in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E261-70	6	122
130	ChREBP regulates fructose-induced glucose production independently of insulin signaling. *Journal of Clinical Investigation*, **2016**, 126, 4372-4386	15.9	118
129	Hypertension and abnormal fat distribution but not insulin resistance in mice with P465L PPAR *Journal of Clinical Investigation*, **2004**, 114, 240-249	15.9	117
128	Prevention of steatosis by hepatic JNK1. *Cell Metabolism*, **2009**, 10, 491-8	24.6	116
127	The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. *Nature Medicine*, **2006**, 12, 549-56	50.5	116
126	KSR2 is an essential regulator of AMP kinase, energy expenditure, and insulin sensitivity. *Cell Metabolism*, **2009**, 10, 366-78	24.6	114
125	The melanocortin-3 receptor is required for entrainment to meal intake. *Journal of Neuroscience*, **2008**, 28, 12946-55	6.6	110
124	The PPAR FGF21 hormone axis contributes to metabolic regulation by the hepatic JNK signaling pathway. *Cell Metabolism*, **2014**, 20, 512-25	24.6	109
123	Hyperinsulinemic-euglycemic clamp to assess insulin sensitivity in vivo. *Methods in Molecular Biology*, **2009**, 560, 221-38	1.4	107

122	Cardiac-specific overexpression of peroxisome proliferator-activated receptor-alpha causes insulin resistance in heart and liver. *Diabetes*, **2005**, 54, 2514-24	0.9	107
121	Circulating sphingolipid biomarkers in models of type 1 diabetes. *Journal of Lipid Research*, **2011**, 52, 509-17	6.3	97
120	The proinflammatory cytokine macrophage migration inhibitory factor regulates glucose metabolism during systemic inflammation. *Journal of Immunology*, **2007**, 179, 5399-406	5.3	94
119	Role of the hypothalamic-pituitary-thyroid axis in metabolic regulation by JNK1. *Genes and Development*, **2010**, 24, 256-64	12.6	92
118	Requirement of the ATM/p53 tumor suppressor pathway for glucose homeostasis. *Molecular and Cellular Biology*, **2010**, 30, 5787-94	4.8	92
117	Links between insulin resistance, adenosine A2B receptors, and inflammatory markers in mice and humans. *Diabetes*, **2011**, 60, 669-79	0.9	92
116	Cardiac-specific knock-out of lipoprotein lipase alters plasma lipoprotein triglyceride metabolism and cardiac gene expression. *Journal of Biological Chemistry*, **2004**, 279, 25050-7	5.4	92
115	MicroRNA-378 controls classical brown fat expansion to counteract obesity. *Nature Communications*, **2014**, 5, 4725	17.4	90
114	Transient receptor potential vanilloid type-1 channel regulates diet-induced obesity, insulin resistance, and leptin resistance. *FASEB Journal*, **2015**, 29, 3182-92	0.9	85
113	A major role of insulin in promoting obesity-associated adipose tissue inflammation. *Molecular Metabolism*, **2015**, 4, 507-18	8.8	85
112	Baf60c drives glycolytic metabolism in the muscle and improves systemic glucose homeostasis through Deptor-mediated Akt activation. *Nature Medicine*, **2013**, 19, 640-5	50.5	85
111	Caveolin-3 knockout mice show increased adiposity and whole body insulin resistance, with ligand-induced insulin receptor instability in skeletal muscle. *American Journal of Physiology - Cell Physiology*, **2005**, 288, C1317-31	5.4	85
110	Fat uses a TOLL-road to connect inflammation and diabetes. *Cell Metabolism*, **2006**, 4, 417-9	24.6	83
109	Syntaxin 4 heterozygous knockout mice develop muscle insulin resistance. *Journal of Clinical Investigation*, **2001**, 107, 1311-8	15.9	83
108	Differential effects of rosiglitazone on skeletal muscle and liver insulin resistance in A-ZIP/F-1 fatless mice. *Diabetes*, **2003**, 52, 1311-8	0.9	82
107	New insights into insulin resistance in the diabetic heart. *Trends in Endocrinology and Metabolism*, **2011**, 22, 394-403	8.8	80
106	Skeletal muscle-specific deletion of lipoprotein lipase enhances insulin signaling in skeletal muscle but causes insulin resistance in liver and other tissues. *Diabetes*, **2009**, 58, 116-24	0.9	80
105	IL-1 signaling in obesity-induced hepatic lipogenesis and steatosis. *PLoS ONE*, **2014**, 9, e107265	3.7	79

104	Inactivation of fatty acid transport protein 1 prevents fat-induced insulin resistance in skeletal muscle. *Journal of Clinical Investigation*, **2004**, 113, 756-63	15.9	78
103	SAT-174 Loss of CEACAM1 in Endothelial Cells Causes Hepatic Fibrogenesis. *Journal of the Endocrine Society*, **2019**, 3,	0.4	78
102	SUN-092 Distinct Changes in Gut Microbiota Are Associated with Estradiol-Mediated Protection from Diet-Induced Obesity in Female Mice. *Journal of the Endocrine Society*, **2019**, 3,	0.4	78
101	SAT-151 Hyperinsulinemia-Driven Progressive Metabolic Dysfunction in Male Mice with Liver-Specific CEACAM1 Deletion. *Journal of the Endocrine Society*, **2019**, 3,	0.4	78
100	Characterization of Viral Insulin-Like Peptides Reveals Unique White Adipose Tissue Specific Characteristics. *Journal of the Endocrine Society*, **2021**, 5, A437-A438	0.4	78
99	Sclerostin influences body composition by regulating catabolic and anabolic metabolism in adipocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E11238-E11247	11.5	75
98	Regulation of metabolic responses by adipocyte/macrophage Fatty Acid-binding proteins in leptin-deficient mice. *Diabetes*, **2006**, 55, 1915-22	0.9	75
97	Carcinoembryonic antigen-related cell adhesion molecule 1: a link between insulin and lipid metabolism. *Diabetes*, **2008**, 57, 2296-303	0.9	74
96	Hormone-sensitive lipase knockout mice have increased hepatic insulin sensitivity and are protected from short-term diet-induced insulin resistance in skeletal muscle and heart. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 289, E30-9	6	70
95	Hypertension and abnormal fat distribution but not insulin resistance in mice with P465L PPARgamma. *Journal of Clinical Investigation*, **2004**, 114, 240-9	15.9	68
94	IL-10 prevents aging-associated inflammation and insulin resistance in skeletal muscle. *FASEB Journal*, **2017**, 31, 701-710	0.9	62
93	Essential role of protein tyrosine phosphatase 1B in obesity-induced inflammation and peripheral insulin resistance during aging. *Aging Cell*, **2012**, 11, 284-96	9.9	60
92	Loss of the Par-1b/MARK2 polarity kinase leads to increased metabolic rate, decreased adiposity, and insulin hypersensitivity in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 5680-5	11.5	60
91	Nrg4 promotes fuel oxidation and a healthy adipokine profile to ameliorate diet-induced metabolic disorders. *Molecular Metabolism*, **2017**, 6, 863-872	8.8	59
90	Adipocyte-specific overexpression of FOXC2 prevents diet-induced increases in intramuscular fatty acyl CoA and insulin resistance. *Diabetes*, **2005**, 54, 1657-63	0.9	57
89	Dietary Betaine Supplementation Increases Fgf21 Levels to Improve Glucose Homeostasis and Reduce Hepatic Lipid Accumulation in Mice. *Diabetes*, **2016**, 65, 902-12	0.9	54
88	Gingerenone A, a polyphenol present in ginger, suppresses obesity and adipose tissue inflammation in high-fat diet-fed mice. *Molecular Nutrition and Food Research*, **2017**, 61, 1700139	5.9	53
87	Early hepatic insulin resistance precedes the onset of diabetes in obese C57BLKS-db/db mice. *Diabetes*, **2010**, 59, 1616-25	0.9	53

86	Nonobese, insulin-deficient Ins2Akita mice develop type 2 diabetes phenotypes including insulin resistance and cardiac remodeling. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E1687-96	6	53
85	TRPM2 Ca2+ channel regulates energy balance and glucose metabolism. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 302, E807-16	6	51
84	Glucose Transporter-4 Facilitates Insulin-Stimulated Glucose Uptake in Osteoblasts. *Endocrinology*, **2016**, 157, 4094-4103	4.8	51
83	Altered Interleukin-10 Signaling in Skeletal Muscle Regulates Obesity-Mediated Inflammation and Insulin Resistance. *Molecular and Cellular Biology*, **2016**, 36, 2956-2966	4.8	48
82	Effects of chronic Akt activation on glucose uptake in the heart. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 290, E789-97	6	48
81	An Osteoblast-dependent mechanism contributes to the leptin regulation of insulin secretion. *Annals of the New York Academy of Sciences*, **2009**, 1173 Suppl 1, E20-30	6.5	47
80	Nocturnal activation of melatonin receptor type 1 signaling modulates diurnal insulin sensitivity via regulation of PI3K activity. *Journal of Pineal Research*, **2018**, 64, e12462	10.4	46
79	Hepatic NADH reductive stress underlies common variation in metabolic traits. *Nature*, **2020**, 583, 122-126	50.4	44
78	Tenomodulin promotes human adipocyte differentiation and beneficial visceral adipose tissue expansion. *Nature Communications*, **2016**, 7, 10686	17.4	44
77	Syntaxin 4 transgenic mice exhibit enhanced insulin-mediated glucose uptake in skeletal muscle. *Diabetes*, **2004**, 53, 2223-31	0.9	43
76	Role of TRPM2 in cell proliferation and susceptibility to oxidative stress. *American Journal of Physiology - Cell Physiology*, **2013**, 304, C548-60	5.4	42
75	Hyperglycemia, maturity-onset obesity, and insulin resistance in NONcNZO10/LtJ males, a new mouse model of type 2 diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E327-36	6	42
74	Mechanism of glucose intolerance in mice with dominant negative mutation of CEACAM1. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 291, E517-24	6	41
73	Forced Hepatic Overexpression of CEACAM1 Curtails Diet-Induced Insulin Resistance. *Diabetes*, **2015**, 64, 2780-90	0.9	40
72	Multi-dimensional Transcriptional Remodeling by Physiological Insulin In Vivo. *Cell Reports*, **2019**, 26, 3429-3443.e3	10.6	39
71	CD40 deficiency in mice exacerbates obesity-induced adipose tissue inflammation, hepatic steatosis, and insulin resistance. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E951-63	6	39
70	Cytoplasmic polyadenylation element binding protein deficiency stimulates PTEN and Stat3 mRNA translation and induces hepatic insulin resistance. *PLoS Genetics*, **2012**, 8, e1002457	6	38
69	PI3-kinase mutation linked to insulin and growth factor resistance in vivo. *Journal of Clinical Investigation*, **2016**, 126, 1401-12	15.9	37

68	Insulin resistance in tetracycline-repressible Munc18c transgenic mice. *Diabetes*, **2003**, 52, 1910-7	0.9	36
67	Hepatic Src homology phosphatase 2 regulates energy balance in mice. *Endocrinology*, **2012**, 153, 3158-69	4.8	35
66	Adrenalectomy improves diabetes in A-ZIP/F-1 lipoatrophic mice by increasing both liver and muscle insulin sensitivity. *Diabetes*, **2002**, 51, 2113-8	0.9	35
65	GRP78 plays an essential role in adipogenesis and postnatal growth in mice. *FASEB Journal*, **2013**, 27, 955-64	0.9	32
64	Adipocyte lipid synthesis coupled to neuronal control of thermogenic programming. *Molecular Metabolism*, **2017**, 6, 781-796	8.8	32
63	An alternative splicing program promotes adipose tissue thermogenesis. *ELife*, **2016**, 5,	8.9	32
62	Diet-induced obesity mediated by the JNK/DIO2 signal transduction pathway. *Genes and Development*, **2013**, 27, 2345-55	12.6	31
61	Endothelial nuclear factor B in obesity and aging: is endothelial nuclear factor B a master regulator of inflammation and insulin resistance?. *Circulation*, **2012**, 125, 1081-3	16.7	30
60	Role of the mixed-lineage protein kinase pathway in the metabolic stress response to obesity. *Cell Reports*, **2013**, 4, 681-8	10.6	29
59	Muscle-generated BDNF is a sexually dimorphic myokine that controls metabolic flexibility. *Science Signaling*, **2019**, 12,	8.8	28
58	KLF15 is a molecular link between endoplasmic reticulum stress and insulin resistance. *PLoS ONE*, **2013**, 8, e77851	3.7	28
57	Increased hepatic insulin action in diet-induced obese mice following inhibition of glucosylceramide synthase. *PLoS ONE*, **2010**, 5, e11239	3.7	28
56	GABA-stimulated adipose-derived stem cells suppress subcutaneous adipose inflammation in obesity. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 11936-11945	11.5	25
55	Short-term weight loss attenuates local tissue inflammation and improves insulin sensitivity without affecting adipose inflammation in obese mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E964-76	6	25
54	PKCzeta-regulated inflammation in the nonhematopoietic compartment is critical for obesity-induced glucose intolerance. *Cell Metabolism*, **2010**, 12, 65-77	24.6	24
53	Identification of an Anti-diabetic, Orally Available Small Molecule that Regulates TXNIP Expression and Glucagon Action. *Cell Metabolism*, **2020**, 32, 353-365.e8	24.6	24
52	Loss of Nuclear and Membrane Estrogen Receptor- Differentially Impairs Insulin Secretion and Action in Male and Female Mice. *Diabetes*, **2019**, 68, 490-501	0.9	24
51	CRISPR-delivery particles targeting nuclear receptor-interacting protein 1 () in adipose cells to enhance energy expenditure. *Journal of Biological Chemistry*, **2018**, 293, 17291-17305	5.4	24

50	Adipocyte-specific Hypoxia-inducible gene 2 promotes fat deposition and diet-induced insulin resistance. *Molecular Metabolism*, **2016**, 5, 1149-1161	8.8	23
49	Adiposity-Independent Effects of Aging on Insulin Sensitivity and Clearance in Mice and Humans. *Obesity*, **2019**, 27, 434-443	8	22
48	Deficiency of phosphoinositide 3-kinase enhancer protects mice from diet-induced obesity and insulin resistance. *Diabetes*, **2010**, 59, 883-93	0.9	22
47	COMP-angiopoietin-1 enhances skeletal muscle blood flow and insulin sensitivity in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E402-9	6	22
46	A big-data approach to understanding metabolic rate and response to obesity in laboratory mice. *ELife*, **2020**, 9,	8.9	21
45	Excitatory transmission onto AgRP neurons is regulated by cJun NH2-terminal kinase 3 in response to metabolic stress. *ELife*, **2016**, 5, e10031	8.9	20
44	Hyperinsulinemia drives hepatic insulin resistance in male mice with liver-specific Ceacam1 deletion independently of lipolysis. *Metabolism: Clinical and Experimental*, **2019**, 93, 33-43	12.7	19
43	A Protein Scaffold Coordinates SRC-Mediated JNK Activation in Response to Metabolic Stress. *Cell Reports*, **2017**, 20, 2775-2783	10.6	19
42	Liver-specific reconstitution of CEACAM1 reverses the metabolic abnormalities caused by its global deletion in male mice. *Diabetologia*, **2017**, 60, 2463-2474	10.3	19
41	Nonacute effects of H-FABP deficiency on skeletal muscle glucose uptake in vitro. *American Journal of Physiology - Endocrinology and Metabolism*, **2004**, 287, E977-82	6	19
40	Inducible Deletion of Protein Kinase Map4k4 in Obese Mice Improves Insulin Sensitivity in Liver and Adipose Tissues. *Molecular and Cellular Biology*, **2015**, 35, 2356-65	4.8	18
39	Transgenic expression of dominant-active IDOL in liver causes diet-induced hypercholesterolemia and atherosclerosis in mice. *Circulation Research*, **2014**, 115, 442-9	15.7	18
38	Requirement of JIP1-mediated c-Jun N-terminal kinase activation for obesity-induced insulin resistance. *Molecular and Cellular Biology*, **2010**, 30, 4616-25	4.8	18
37	Carcinoembryonic antigen-related cell adhesion molecule 2 controls energy balance and peripheral insulin action in mice. *Gastroenterology*, **2010**, 139, 644-52, 652.e1	13.3	18
36	A Receptor of the Immunoglobulin Superfamily Regulates Adaptive Thermogenesis. *Cell Reports*, **2019**, 28, 773-791.e7	10.6	17
35	Cardiac expression of human type 2 iodothyronine deiodinase increases glucose metabolism and protects against doxorubicin-induced cardiac dysfunction in male mice. *Endocrinology*, **2013**, 154, 3937-46	4.8	17
34	Glucose Tolerance in Mice is Linked to the Dose of the p53 Transactivation Domain. *Endocrine Research*, **2013**, 38, 139-150	1.9	16
33	Cardiac-Specific Disruption of GH Receptor Alters Glucose Homeostasis While Maintaining Normal Cardiac Performance in Adult Male Mice. *Endocrinology*, **2016**, 157, 1929-41	4.8	16

32	Endoplasmic reticulum chaperone GRP78 regulates macrophage function and insulin resistance in diet-induced obesity. *FASEB Journal*, **2018**, 32, 2292-2304	0.9	15
31	Arrestin domain-containing 3 (Arrdc3) modulates insulin action and glucose metabolism in liver. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 6733-6740	11.5	14
30	Protein Kinase Mitogen-activated Protein Kinase Kinase Kinase Kinase 4 (MAP4K4) Promotes Obesity-induced Hyperinsulinemia. *Journal of Biological Chemistry*, **2016**, 291, 16221-30	5.4	13
29	Molecular network analysis of phosphotyrosine and lipid metabolism in hepatic PTP1b deletion mice. *Integrative Biology (United Kingdom)*, **2013**, 5, 940-63	3.7	13
28	Myeloid-specific Acat1 ablation attenuates inflammatory responses in macrophages, improves insulin sensitivity, and suppresses diet-induced obesity. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E340-E356	6	12
27	The association of phosphoinositide 3-kinase enhancer A with hepatic insulin receptor enhances its kinase activity. *EMBO Reports*, **2011**, 12, 847-54	6.5	10
26	Inflammation and insulin resistance: an old story with new ideas. *Korean Diabetes Journal*, **2010**, 34, 137-45		9
25	Exogenous GDF11, but not GDF8, reduces body weight and improves glucose homeostasis in mice. *Scientific Reports*, **2020**, 10, 4561	4.9	7
24	Genetic ablation of lymphocytes and cytokine signaling in nonobese diabetic mice prevents diet-induced obesity and insulin resistance. *FASEB Journal*, **2016**, 30, 1328-38	0.9	7
23	Mss51 deletion enhances muscle metabolism and glucose homeostasis in mice. *JCI Insight*, **2019**, 4,	9.9	7
22	Acute effect of growth hormone to induce peripheral insulin resistance is independent of FFA and insulin levels in rats. *American Journal of Physiology - Endocrinology and Metabolism*, **1999**, 277, E742-9	6	6
21	The development of insulin resistance with high fat feeding in rats does not involve either decreased insulin receptor tyrosine kinase activity or membrane glycoprotein PC-1. *Biochemical and Molecular Medicine*, **1996**, 59, 174-81		6
20	Muscle-Specific Insulin Receptor Overexpression Protects Mice From Diet-Induced Glucose Intolerance but Leads to Postreceptor Insulin Resistance. *Diabetes*, **2020**, 69, 2294-2309	0.9	6
19	Deficiency of the tumor promoter gene wip1 induces insulin resistance. *Molecular Endocrinology*, **2015**, 29, 28-39		5
18	Increased Glucose-induced Secretion of Glucagon-like Peptide-1 in Mice Lacking the Carcinoembryonic Antigen-related Cell Adhesion Molecule 2 (CEACAM2). *Journal of Biological Chemistry*, **2016**, 291, 980-8	5.4	5
17	Myeloid-specific deletion of Zfp36 protects against insulin resistance and fatty liver in diet-induced obese mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E676-E693	6	5
16	Safety of Striatal Infusion of siRNA in a Transgenic Huntington's Disease Mouse Model. *Journal of Huntingtonls Disease*, **2015**, 4, 219-229	1.9	5
15	Interleukin-6 derived from cutaneous deficiency of stearoyl-CoA desaturase- 1 may mediate metabolic organ crosstalk among skin, adipose tissue and liver. *Biochemical and Biophysical Research Communications*, **2019**, 508, 87-91	3.4	5

14	Characterization of viral insulins reveals white adipose tissue-specific effects in mice. *Molecular Metabolism*, **2021**, 44, 101121	8.8	5
13	CRISPR-enhanced human adipocyte browning as cell therapy for metabolic disease. *Nature Communications*, **2021**, 12, 6931	17.4	4
12	Reduced glucose clearance as the major determinant of postabsorptive hyperglycemia in diabetic rats. *American Journal of Physiology - Endocrinology and Metabolism*, **1998**, 274, E257-64	6	3
11	Muscle-generated BDNF (brain derived neurotrophic factor) maintains mitochondrial quality control in female mice. *Autophagy*, **2021**, 1-18	10.2	3
10	Beta-cell specific Insr deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance		3
9	Thioredoxin Interacting Protein Is Required for a Chronic Energy-Rich Diet to Promote Intestinal Fructose Absorption. *IScience*, **2020**, 23, 101521	6.1	3
8	Peripheral Insulin Regulates a Broad Network of Gene Expression in Hypothalamus, Hippocampus, and Nucleus Accumbens. *Diabetes*, **2021**, 70, 1857-1873	0.9	3
7	Disrupted glucose homeostasis and skeletal-muscle-specific glucose uptake in an exocyst knockout mouse model. *Journal of Biological Chemistry*, **2021**, 296, 100482	5.4	3
6	Distinct Changes in Gut Microbiota Are Associated with Estradiol-Mediated Protection from Diet-Induced Obesity in Female Mice. *Metabolites*, **2021**, 11,	5.6	3
5	Defective daily temperature regulation in a mouse model of amyotrophic lateral sclerosis. *Experimental Neurology*, **2019**, 311, 305-312	5.7	2
4	Beta-cell specific Insr deletion promotes insulin hypersecretion and improves glucose tolerance prior to global insulin resistance.. *Nature Communications*, **2022**, 13, 735	17.4	2
3	Maternal exposure to high-fat diet during pregnancy and lactation predisposes normal weight offspring mice to develop hepatic inflammation and insulin resistance. *Physiological Reports*, **2021**, 9, e14811	2.6	1
2	Differential roles of FOXO transcription factors on insulin action in brown and white adipose tissue. *Journal of Clinical Investigation*, **2021**, 131,	15.9	1
1	Rho/ROCK mechanosensor in adipocyte stiffness and traction force generation.. *Biochemical and Biophysical Research Communications*, **2022**, 606, 42-48	3.4	